

**AUTOMATED ADAPTATION OF THE SUPPLY VOLTAGE OF A
LIGHT-EMITTING DISPLAY ACCORDING TO THE DESIRED LUMINANCE**

ABSTRACT

5 A method for regulating the biasing voltage of column control circuits of an array
screen formed of LEDs distributed in lines and columns, the column control circuits
being adapted to turning on at least one LED of a line. The method consists of increasing
the biasing voltage when the current flowing through at least one activated LED is
10 smaller than a determined luminance current and of decreasing the biasing voltage when
the current flowing through each activated LED is equal to the determined luminance
current.